

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH 03/00709

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16F1/10

1/02

G04B1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16F G04B G01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 408 (M-1647), 29 July 1994 (1994-07-29) & JP 06 117470 A (YOKOGAWA ELECTRIC CORP), 26 April 1994 (1994-04-26) abstract ----	1
X	PATENT ABSTRACTS OF JAPAN vol. 010, no. 265 (M-515), 10 September 1986 (1986-09-10) & JP 61 088033 A (KYOCERA CORP), 6 May 1986 (1986-05-06) abstract ----	1
P, X	DE 101 27 733 A (SILICIUM ENERGIESYSTEME E K DR) 6 February 2003 (2003-02-06) the whole document ----	1 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

27 February 2004

11/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 922 756 A (HENRION W S) 8 May 1990 (1990-05-08) column 3, paragraph 2 ----	2,3
A	WO 02 04836 A (HARA TATSUO ;SEIKO EPSON CORP (JP)) 17 January 2002 (2002-01-17) claims 1,2 ----	2,3
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 208 (M-1249), 18 May 1992 (1992-05-18) & JP 04 034226 A (TOSHIBA CORP), 5 February 1992 (1992-02-05) abstract ----	
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 501 (C-0996), 16 October 1992 (1992-10-16) & JP 04 185698 A (SEIKO EPSON CORP), 2 July 1992 (1992-07-02) abstract -----	

Information on patent family members

International Application No
PCT/CH 03/00709

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 06117470	A	26-04-1994	NONE			
JP 61088033	A	06-05-1986	NONE			
DE 10127733	A	06-02-2003	DE	10127733 A1		06-02-2003
US 4922756	A	08-05-1990	CA DE DE EP HK JP JP WO US US	1334798 C 68911294 D1 68911294 T2 0407479 A1 1004901 A1 2834245 B2 3501887 T 8912830 A2 4932261 A 5134881 A		21-03-1995 20-01-1994 07-07-1994 16-01-1991 11-12-1998 09-12-1998 25-04-1991 28-12-1989 12-06-1990 04-08-1992
WO 0204836	A	17-01-2002	CN WO JP US	1418295 T 0204836 A2 2004502910 T 2002191493 A1		14-05-2003 17-01-2002 29-01-2004 19-12-2002
JP 04034226	A	05-02-1992	JP	2960112 B2		06-10-1999
JP 04185698	A	02-07-1992	NONE			